

## Sovol SV06 plastic parts replacements

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### Summary

Sovol SV06 plastic parts replacements

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These are replacements for Sovol SV06 original plastic parts. I wasn't really a big fan SV06 blue color scheme, so changed it to grey. Every part was designed by me, using Sovol's oficial STLs as a reference.

I'm not really a big fan of heat inserts, so I use nuts to hold screws where necessary.

#### **Some notes regarding individual parts:**

You can add 608ZZ bearings to top Z axis covers, but they may not be necessary and even do more harm than good and increase wobbling artifacts instead of removing them.

Extruder mounts needed a bit of redesign to make fhe front part more easily printable. you'll need 6 M3 nuts and ~ 14 mm M3 screws to connect them together, and 3 M3 nuts and ~ 6 mm M3 screws to connect the extruder. (you can use original hex screws) Back mounted alternative fan

shrouds for 4020 and 5015 blowers should be compatible, use ~ 20 mm M3 screws to mount them.

The X axis motor mount is mounted to the X axis left mount block with 2 ~ 20 mm M3 screws, and 2 M3 nuts (original screws incompatible!) and up to 4 ~ 6 mm M3 screws to connect the motor (you can use original screws). to mount blocks to the Z Axis yo'll need 4 M3 nuts and ~14 mm screws.

For x axis mounts, insert the bearings from the top. (the side where the mounts for Z rods are) Just to warn you, force needed to do so may seem unreasonable. The same applies to inserting X axis linear rods.

### **Disclaimer & Warning:**

Be warned, that you use these replacements on your own risk and I'm not responsible if you damage your printer in the result of using them. It will be a while until I iron out all issues connected to the design of these parts and I may even not be aware about all of them ever.

If you notice an issue or have improvement proposal, feel free to contact me or remix the part yourself.

## **Model files**



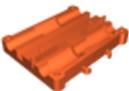
**z-axis-top-cover-left.stl**

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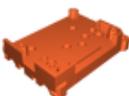
**z-axis-top-cover-right.stl**

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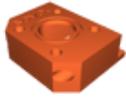
**extruder-mount-back.stl**

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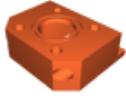
**extruder-mount-front.stl**

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**x-axis-motor-mount-sovol-text.stl**

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**x-axis-motor-mount-plain.stl**

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**x-axis-mount-right.stl**

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**x-axis-mount-left.stl**

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**extruder-mount-front-old.stl**

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